No.

7900003

THE UNITED STATES OF AMERICA

To ALL TO WHOM THESE PRESENTS SHALL COME: Coker's Pedigreed Seed Company

Wilhereas, there has been presented to the

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED NOVEL VARIETY OF SEXUALLY REPRODUCED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF SOURCEON YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, PORTING IT, OR EXPORTING IT, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT.

**VICTOR OF THE THE THIS VARIETY (1) SHALL BE SOLD BY VARIETY NAME ONLY AS CERTIFIED SEED AND (2) SHALL CONFORM TO THE NUMBER OF GENERATIONS THE OWNER OF THE RIGHTS. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

OAT

'Coker 716'

In Testimony Entercot, I have hereunlo set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of washington this 28th day of December in the year of our Lord one thousand nine hundred and seventy-eight

Attest

Commissioner Plant Variety Protection Office Grain Division Agricultural Marketing Service

La Solly Marie Mar

UNITED STATES DEPARTMEI AGRICULTURAL MARK LIVESTOCK, POULTRY, GRA	CETING SERVICE			FORM APPROVED OMB NO. 40-R3822
APPLICATION FOR PLANT VARIE INSTRUCTIONS: See Reverse,	TY PROTECTIO	N CERTIFICATE		int variety protection may mpleted application form J.S.C. 553).
1a. TEMPORARY DESIGNATION OF VARIETY	1b. VARIETY NAM	Ξ	FOR OFFICE	AL USE ONLY
Coker 70–16	Coker 716	:	79000	03
2. KIND NAME	3. GENUS AND SPE	CIES NAME	FILING DATE 18	TIME 115 A.M.
Oats	Avena sati	va L.	FEE RECEIVED	DATE
4. FAMILY NAME (BOTANICAL)	5. DATE OF DETER		\$ 500.00	10-3-78
Gramineae	July 1977		\$ 250.00	11-13-78
6. NAME OF APPLICANT(S)	7. ADDRESS (Street	t and No. or R.F.D. No.,	City, State, and ZIP	8. TELEPHONE AREA
Coker's Pedigreed	Code) P.O. Box 3	40		CODE AND NUMBER
Seed Company	i	, South Carolir	na 29550	(803) 332 - 7532
 IF THE NAMED APPLICANT IS NOT A PE ORGANIZATION: (Corporation, partnersh 	RSON, FORM OF	•	ED, GIVE STATE AND	11. DATE OF INCOR- PORATION
Corporation	• .	South Carol		July 12, 1918
12. NAME AND MAILING ADDRESS OF APP ALL PAPERS:	LICANT REPRESENTA	ATIVE(S), IF ANY, TO S	SERVE IN THIS APPLIC	ATION AND RECEIVE
Howard F. Harrison, Coker's Hartsville, South Carolina 2		d Company, P.O.	Box 340	
13. CHECK BOX BELOW FOR EACH ATTACH				· · · · · · · · · · · · · · · · · · ·
13A. Exhibit A, Origin and Bree	ding History of the	Variety (See Section 5	52 of the Plant Variety	Protection Act.)
13B. Exhibit B, Novelty Statem	ent.			
X 13C. Exhibit C, Objective Descr	iption of the Variety	(Request form from	Plant Variety Protect	ion Office.)
X 13D. Exhibit D, Additional Desc		·	enge og hongstaller Tiller	,
14a. DOES THE APPLICANT(S) SPECIFY THAT SEED? (See Section 83(a). (If "Yes," answe			RIETY NAME ONLY AS	A CLASS OF CERTIFIED
14b. DOES THE APPLICANT(S) SPECIFY THAT	THIS VARIETY BE	14c. IF "YES," TO 14	B, HOW MANY GENER	ATIONS OF PRODUC-
X YES NO X FOUNDATION X REGISTERED X CERTIFIED			X CERTIFIED	
15a. DID THE APPLICANT(S) FILE FOR PROTECTION OF THIS VARIETY IN OTHER COUNTRIES? YES X NO (If "Yes," give name of countries and dates.)				
name of countries and dates.)	SV (1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Andrew Control of the Addition of the Control of th		_
· · · · · · · · · · · · · · · · · · ·			erge og det for	
15b. HAVE RIGHTS BEEN GRANTED THIS VA and dates.)	RIETY IN OTHER CO	UNTRIES? YES	X NO (If "Yes,"	give name of countries
and the second second	the second of	and the second s		
16. DOES THE APPLICANT(S) AGREE TO THE JOURNAL? XYES	E PUBLICATION OF H	IIS/HER (THEIR) NAMI	E(S) AND ADDRESS IN	THE OFFICIAL
 The applicant(s) declare(s) that a viable replenished upon request in accordance 	e sample of basic seed with such regulation	d of this variety will b ns as may be applicab	e furnished with the a le.	pplication and will be
The undersigned applicant(s) is (are) the variety is distinct, uniform, and stable at 42 of the Plant Variety Act.	e owner(s) of this se as required in Section	xually reproduced no n 41, and is entitled to	vel plant variety, and protection under the	believe(s) that the e provisions of Section
Applicant(s) is (are) informed that false representation herein can jeopardize protection and result in penalties.				
September 12, 1978 Howard J. Harrison				
A COLUMN TO COMPANY (DATE)	e albert 1900 bli e 1900 Den albert 1900 blev	e e e e e e e e e e e e e e e e e e e	SIGNATURE OF APPLI	CANT)
and the state of t	•		•	1

INSTRUCTIONS

GENERAL: Send an original copy of the application and exhibits, at least 2,500 viable seeds, and \$500 fee (\$250 filing fee and \$250 examination fee) to U.S. Dept. of Agriculture, Agricultural Marketing Service, Livestock, Poultry, Grain and Seed Division, Plant Variety Protection Office, National Agricultural Library Building, Beltsville, Maryland 20705. (See section 180.175 of the Regulations and Rules of Practice.) Retain one copy for your files. All items on the face of the form are self-explanatory unless noted below.

ITEM

- Give the date the applicant determined that he had a new variety based on (1) the definition in section 41(a) of the Act and (2) the date a decision was made to increase the seed.
- Give: (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method; (2) the details of subsequent stages of selection and multiplication; (3) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified and (4) evidence of uniformity and stability.
- Give a summary statement of the variety's novelty. Clearly state how this novel variety may be distinguished from all other varieties in the same crop. If the new variety most closely resembles one or a group of related varieties:

 (1) identify these varieties and state all differences objectively; (2) attach statistical data for characters expressed numerically and demonstrate that these differences are significant; and (3) submit, if helpful, seed and plant specimens or photographs of seed and plant comparisons clearly indicating novelty.
- Fill in the Exhibit C, Objective Description form, for all characteristics for which you have adequate data.
- Describe any additional characteristics that are not described, or whose description cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the description of characteristics that are difficult to describe, such as, plant habit, plant color, disease resistance, etc.
- If "YES" is specified (seed of this variety be sold by variety name only as a class of certified seed) the applicant may NOT reverse his affirmative decision after the variety has either been sold and so labeled, his decision published, or the certificate has been issued. However, if the applicant specified "NO," he may change his choice. (See section 180.16 of the Regulations and Rules of Practice.)
- See section 42 of the Plant Variety Protection Act and section 180.7 of the Regulations and Rules of Practice.

EXHIBIT A

Coker 716

Origin and Breeding History of the Variety

1961-62 - Cross Coker 62-30 / C.I. 7762

 $1962-63 - F_1$ Plants

1963-64 - F₂ Plants screened for winter survival 1964-65 - F₃ Plant row 1965-66 - F₄ Preliminary yield trial

1966-67 - F₅ Increase block - Reslected single panicles

1967-68 - F₆ Single headrow from above 1968-69 - F₇ Preliminary yield trial 1969-70 - F₈ Increase block 70-16

Coker 716 originated from a single F6 headrow, the selection of which was based on plant type, winterhardiness, and resistance to soil-borne mosaic virus. Observations of blocks of headrows in subsequent generations reveal no distinguishable genetic variants.

Performance data has been recorded in reports of the Uniform Central Winter Oat Nurseries in 1972, 1973 and 1977, copies of which are submitted.

7900003

EXHIBIT B

Novelty Statement

Coker 716 most nearly resembles the variety Coker 66-22 except that Coker 716 is ciliate on the lower leaf margin, while Coker 66-22 is lacking cilia.

FORM GR-470-35 (1-76)

U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE GRAIN DIVISION HYATTSVILLE, MARYLAND 20782 OBJECTIVE DESCRIPTION OF VARIETY

OAT (<u>Avena spp.</u>)

NAME OF APPLICANT(S)	VARIETY NAME OR TEMPORARY DESIGNATION
Coker's Pedigreed Seed Company	Column 716
Hartsville, South Carolina 29550 ADDRESS (Street and No., or R. F.D. No., City, State, and ZIP Code)	Coker 716 FOR OFFICIAL USE ONLY
P.O. Box 340	PVPO NUMBER
Hartsville, South Carolina 29550	7900003
	.1.
Place the appropriate number that describes the varietal character of this variety in the boxes be Place a zero in first box (e.g. 0 8 9 or 0 9) when number is either 99 or less.	clow.
1. SPECIES:	
[]	
1 = SATIVA 2 = BYZANTINA 3 = OTHER (Specify)	
2. GROWTH HABIT:	
1 1 = WINTER 2 = SEMIWINTER 3 = SPRING	
1 JUVENILE GROWTH: 1 = PROSTRATE 2 = SEMIPROSTRATE	3 = ERECT
STANDARD VARIETIES	
1 = JAYCEE 2 = CLINTLAND 64 3 = CAYUSE 4 = NORL	THE X 5 TANCE 1
3. MATURITY (50% flowering):	·
DAYS EARLIER THAN STANDARD VARIETY 0 1	DAYS LATER THAN 5 STANDARD VARIETY
1 = VERY EARLY (Jaycee) 2 = EARLY (Nodaway 70)	3 = MIDSEASON (Clintford)
Season: 4 = LATE (Lodi) 5 = VERY LATE (Garry)	6 = EXTREMELY LATE (Mackinaw)
4. PLANT HEIGHT (From soil level to top of head):	
0 9 8 CM. TALL 0 5 CM. S	SHORTER THAN 5 STANDARD VARIETY
CM. 1	TALLER THAN STANDARD VARIETY
5. STEM:	
2 DIAMETER: 1 = FINE (Kherson) 2 = MEDIUM (Clintford)	3 = COARSE (Nodaway 70)
2 HAIRINESS AT UPPER CULM NODES: 1 = HAIRLESS	2 = HAIRY
hamed .	_
MATURE STEM COLOR: 1 = YELLOW	2 = REDDISH
6. LEAF: (Leaf Color: The Royal Horticultural Society's or any recognized color chart should	I be used to determine the leaf color of the described variety
1	
	3 = DK. GREEN 4 = BLUE GREEN
3 COLOR: 1 = YELLOW GREEN 2 = LT. GREEN	3 = DK, GREEN 4 = BLUE GREEN
MM, WIDTH (First leaf below flag leaf)	ARGIN: 1 = GLABROUS 2 = CILIATE
2 LIGULE: 1 = ABSENT 2 = PRESENT 2 LEAF SH	EATH: 1 = HAIRLESS 2 = HAIRY
7. HEAD:	
1 PANICLE SHAPE: 1 = EQUILATERAL 2 = INTERMEDIATE	3 = SIDE PANICLE (Unilateral)
1 ATTACHMENT OF LOWER WHORL OF BRANCHES: 1 = FIRST NODE	2 = SECOND NODE (False node)
2 PANICLE SIZE: 1 = SMALL (Yancey) 2 = MEDIUM (Walken)	3 = LARGE (Markton)
PANICLE WIDTH: 1 = NARROW (Gopher) 2 = MIDBROAD (Yancey) 3 = 8 ROAD (Nodaway 70)
	0 6 NUMBER OF WHORLS OF BRANCHES
2 POSITION OF BRANCHES: 1 = ASCENDING (Yancey) 2 = SPREADING 4 = PECTINATE (White Tartar) 5 = CONFUSED	

FORM 470 -35 (REVERSE)				00003
8. RACHIS:	· · · · · · · · · · · · · · · · · · ·		736	J UU U3 .
1 = RECURVED (Yancey)	2 = ERECT (Walken)	2 0 MM. SE	COND FLORET RACH	HILLA SEGMENT LENGTH
1 SECOND FLORET RACHILLA	SEGMENT: 1 = HAIRLESS 2 = HAIRY	RACHIL	LA HAIRS: 1 = S	HORT 2 = LONG
9. SPIKELET:				
2 SPIKELET SEPARATION BY:	1 = ABSCISSION	2 = SEMIABSCISSI	ON 3 = F	RACTURE
2 FLORET SEPARATION BY:	1 = DISARTICULATION	2 = HETEROFRAC	TURE 3=B	ASIFRACTURE
2 0 FLORETS PER SPIKELET	(mean no.)			
10. GLUMES: (Glume Color: The Royal I	Horticultural Society's or any recogn	ized color chart sho	uld be used to determin	ne the color of the described variety.)
0 7 MM. WIDTH 2 2	MM. LENGTH 1 1	O. OF VEINS ON G		1 = WHITE 2 = YELLOW LOR: 3 = RED 4 = STRIPED S 164 B
11. LEMMA: (Lemma Color: The Royal I	lorticultural Society's or any recogn	ized color chart sho	uld be used to determin	e the color of the described variety.)
1 6 MM. LENGTH		COLOR: 1 =	WHITE 2 = YELLO	W 3≖RED
1 HAIRINESS OF DORSAL SUR	FACE: 1 = HAIRLESS		GRAY 5 = BLACK	
	2 = HAIRY KHS	6 164 D		:
12. AWN (First floret): 2 OCCURENCE: 1 = ABSEN	T (Matter)	TYPE:	1 = NON-TWISTED	2 = TWISTED
1 - 1	QUENT (Yancey)	<u> </u>	3 = TWISTED GENIC	ULATE
	DN (Chilocco) . IENT (Random)	2 5 MM. AV	N LENGTH	
13. SEED:	- Carry (Transcom)			
SLOBEOGENICE HAIDER III TO	PAVIOLET LIGHT	1 = FLORESCENT	2 = N	ON-FLORESCENT
FLORESCENCE UNDER ULTE		2 = ABSENT TO FE		EW TO SEVERAL (Lee)
1 - 1	•	5 = NUMEROUS (R	· ·	EW 10 SEVERAL (Lee)
MM. BASAL HAIR LENG	ТН			· · · · · · · · · · · · · · · · · · ·
2 2 0 GMS. PER 1,000 SEE	-ps	1 9 MG. GF	OAT WEIGHT (each)	
				
% GROAT PROTEIN		*	GROAT OIL	
14. INSECTS: (o = NOT TESTED, 1 = St	JSCEPTIBLE, 2 = RESISTANT)			
O CEREAL LEAF BEETLE O	BLUEGRASS BILLBUG $egin{array}{c} 0 & 0 \\ 0 $	GRAIN BUG (C. Say) O NEMATO	DE (Type)
0 GREEN BUG (Biotype)		THER (Specify)		
15. DISEASE: (0 = NOT TESTED, 1 = S	USCEPTIBLE, 2 = RESISTANT)			
U HALO BLIGHT 0	POWDERY MILDEW	SEPTORIA LEA	F BLOTCH 2 S	SOIL-BORNE MOSIAC
0 HELMINTHOSPORIUM 0	YELLOW DWARF VIRUS 2	VICTORIA BLI		OTHER (Specify)
U LEAF BLOTCH U	1	_1	الجال	ulm Rot
SPECIFY RACES TESTED:	RACES SUSCEPTIBL	Е	RA	CES RESISTANT
1 CROWN RUST A	ll Races		None Kno	พท
1 STEM RUST				
O COVERED SMUT				
1 LOOSE SMUT				
16. INDICATE VARIETY YOU BELIEV	E MOST CLOSELY TO RESEMBLE	THAT SUBMITTE	D:	
CHARACTER	VARIETY	CHARACTE		VARIETY
PLANT TILLERING	Coker 66-22	LEAF COLO	R	Coker 66-22
LEAE CLZE	Cokon 66-22	I EAE CARR	IAGE	Coker 66-22

SEED SHAPE

Coker 66-22

SEED COLOR

Coker 66-22

COKER 716

EXHIBIT D

Additional Description of the Variety

'Coker 716' is a winter oat with a decumbent growth habit. It is medium tall with moderate straw strength. It has a good level of winterhardiness and resistance to soil-borne mosaic derived from Ballard.'

The stem is medium tall, medium thick with dark green leaves.

Sheaths of lower leaves are hairy and margins ciliate. Tillering is profuse under winter conditions.

Panicles are midlong, equilateral, with approximately 6 nodes per panicle with an average of 26 panicle branches. Exertion of panicle is approximately 15 cm from flag leaf to first panicle node. Lemmas are greyed orange, glabrous, basal hairs absent. Second rachilla floret segment is non hairy.

'Coker'716 is susceptible to crown rust and stem rust, but is resistant to soil-borne mosaic, culm rot and Victoria blight.

County Mh TRANSFER OF OWNERSHIP

In consideration of the formation of a research partnership, which is named CR Seeds with its principal offices at 900 Darlington Highway, Hartsville, S.C. 29550, and of which Coker's Pedigreed Seed Company, Hartsville, S.C., is a partner, Coker's Pedigreed Seed Company does hereby convey to CR Seeds, free from all encumbrances, ownership of the following protected varieties:

Wheat Varieties

Variety Name	Plant Variety Certificate No.		Issue Date
Coker 68-15	7200014		March 6, 1974
Coker 68-19	7200015		March 6, 1974
Coker 747	76TQ015		September 9, 1978
Coker 762	8000152	*	December 12, 1981
Coker 797	8000145		December 12, 1981

Oat Varieties

Variety Name	Plant Variety Certificate	No.	Issue Date
Coker 227	7500007		October 20, 1977
Coker 716	790003	•	December 28, 1978
Coker 234	7500008		October 26, 1977
Four Twenty-Two	7700085		April 12, 1979
Big Mac	8200121		August 19, 1982
Mesquite	8200122		August 19, 1982

Soybean Varieties

Variety Name	Plant Variety Certificate No.	Issue Date
Coker-Hampton 266A	7100022	September 6, 1973
Coker 136	7300091	October 18, 1973
Coker 338	7400058	October 29, 1976
Coker 237	7800034	July 13, 1978
Coker 488	7900035	July 13, 1978
Coker 156	7900043	November 27, 1979
Coker 317	8100095	November 19, 1981
Coker 368	8200140	August 31, 1983

COKER'S PEDIGREED SEED CO.

Sworn and subscribed to before me this 29 d day of February, 1984.

Notary Public

ASSIGNMENT

WHEREAS, CR Seeds, a general partnership having it principal office at 900 Darlington Highway, Hartsville, South Carolina 29550 ("Partnership"), is the owner of the entire right, title and interest to the United States Plant Variety Protection Certificates and applications for such Certificates (collectively "Certificates") listed on Appendix A attached hereto;

WHEREAS, the partners of CR Seeds, Rohm and Haas Seeds Inc., a Delaware corporation having its principal office at Independence Mall West, Philadelphia, PA 19105 ("RHS") and Coker's Pedigreed Seed Company, a South Carolina corporation with its principal office at 900 Darlington Highway, Hartsville, SC 29550 ("CPS"), are each desirous of acquiring a one-half undivided interest in the varieies and Certificates listed on Appendix A;

NOW, THEREFOR, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, CR Seeds does hereby sell, assign and transfer to RHS a one-half undivided interest in and to the varieties and Certificates and to CPS a one-half undivided interest in and to the varieties and Certificates for each of their use and benefit and for each of their successors and assigns.

IN TESTIMONY THEREOF, CR Seeds intending to be legally bound has caused this assignment to be executed by its duly authorized officer.

CR Seeds

President

State of South Carolina)SS

County of Darlington)SS

On this 30th day of <u>December</u>, 1986, before me appeared E. Joe Dahmer of CR Seeds, the person who signed this instrument who acknowledged that he signed it as a free act on behalf of CR Seeds with authority to do so.

Stary Public

My commission expires

4-14-91

APPENDIX A

Soft Red Winter Wheat Varieties

Variety Name	U.S. Plant Variety Certificate No.	Issue Date
Coker 68-15	7200014	Mar. 6, 1974
Coker 68-19	7200015	Mar. 6, 1974
Coker 747	76TQ015	Sept. 9, 1978
Coker 762	8000152	Dec. 12, 1981
Coker 797	8000145	Dec. 12, 1981
Coker 916	8300036	Sept. 27, 1985
Coker 983	84000581	Feb. 27, 1984 ¹
McNair 701	7200038	Feb. 26, 1974
McNair 4823	7200037	April 8, 1975
RHS 8232	8400136 ¹	July 16, 1984 ¹
9227	8600009 ¹	Oct. 22, 1985 ¹
9323	8600010 ¹	Oct. 22, 1985 ¹

^{1.} Application number and filing date.

Winter Oat Varieties

Variety <u>Name</u>	U.S. Plant Variety Certificate No.	Issue Date
Coker 227	7500007	Oct. 20, 1977
Coker 716	7900003	Dec. 28, 1978
Coker 820	8400059 ¹	Feb. 28, 1984 ¹
Coker 234	7500008	Oct. 26, 1977
Four Twenty Two	7700085	Apr. 12, 1979
Big Mac	8200121	Aug. 19, 1982
Mesquite	8200122	Aug. 19, 1982

^{1.} Application number and filing date.

Soybean Varieties

Coker		
Hampton 266A	7100022	Sept. 6, 1973
Coker 136	7300091	Oct. 18, 1973
Coker 338	7400058	Oct. 29, 1976
Coker 237	7800034	July 13, 1978
Coker 488	7800035	July 13, 1978
Coker 156	7900043	Nov. 27, 1979
Coker 317	8100095	Nov. 19, 1981
Coker 368	8200140	Aug. 31, 1983
Coker 425	8400077	May 31, 1985
Coker 485	8400078	May 31, 1985
Coker 393 (0327-4270)	8400018	Jan. 25, 1985
Coker 355 (XP5878)	8400019	Jan. 25, 1985
Coker 627	87000011	Oct. 3, 1986 ¹
Coker 686	Pendingl	Dec. 19, 1986

^{1.} Application number and filing date.

Variety Name	U.S. Plant Variety Certificate No.	Issue Date
AP5 5	8100089	Feb. 18, 1982
AP70	7800081	Feb. 15, 1979
AP71	8100090	Sept. 24, 1981
Lancer	7600044	Sept. 29, 1976
RA-526	7500067	Dec. 12, 1975
RA-604	7900008	Mar. 1, 1975
RA-680	8100097	Apr. 15, 1982
RA-502	8200160	Aug. 31, 1983
RA-606	8200161	Oct. 27, 1983
RA-580	8300075	Apr. 30, 1984
Mitchell	7300054	Oct. 30, 1974
RA-401	7800030	June 22, 1978
RA-601	7800031	June 22, 1978
Mitchell 450	7900046	June 14, 1979
RA-481	8000054	Mar. 26, 1981
RA-402	8000093	July 31, 1981
Mitchell 410	8200162	Oct. 27, 1983
RA-403	8200163	Oct. 27, 1983

Variety Name	Certificate No.	Issue Date
RA-451	85000081	Oct. 10, 1984 ¹
RA-452	8500009 ¹	Oct. 10, 1984 ¹
RA-405	8500010 ¹	Oct. 10, 1984 ¹
RA-501 A	76TQ006	May 11, 1978
RA-480	7900007	Feb. 15, 1979

^{1.} Application number and filing date.

ASSIGNMENT

WHEREAS, Rohm and Haas Seeds Inc., a Delaware corporation having its principal office at Independence Mall West, Philadelphia, PA 19105 ("RHS"), is the owner of a one-half undivided interest in and to the United States Plant Variety Protection Certificates and applications for such Certificates (collectively "Certificates") listed on Appendix A attached hereto:

WHEREAS, Coker's Pedigreed Seed Company, a South Carolina corporation with its principal office at 900 Darlington Highway, Hartsville, SC 29550 ("CPS"), is desirous of acquiring this onehalf undivided interest in the aforementioned varieties and Certificates;

NOW, THEREFOR, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, RHS does hereby sell, assign and transfer to CPS RHS's one-half undivided interest in and to the varieties and Certificates for CPS's use and benefit and for its successors and assigns.

IN TESTIMONY THEREOF, RHS intending to be legally bound has caused this assignment to be executed by its duly authorized officer.

By: Haward a. Muller A Assistant Treasurer

On this 3/1t day of December . 1986, before me appeared Howard A. Mergelkamp of Rohm and Haas Seeds Inc., the person who signed this instrument who acknowledged that he signed it as a free act on behalf of Rohm and Haas Seeds Inc. with authority to do so.

ELIZABETH / Notary Public ary Public

Notary Public, Phila., Phila. Co.

My commission expires Wy Commission Expires Oct. 14, 1989

ASSIGNMENT OF PLANT VARIETY PROTECTION CERTIFICATES

WHEREAS, COKER'S PEDIGREED SEED COMPANY, a South Carolina corporation ("Coker's"), having its offices at 900 Darlington Highway, Hartsville, South Carolina 29550, has adopted and used and is the sole and exclusive owner of certain United States Plant Variety Protection Certificates and similar rights under laws of countries other than the United States as listed in Exhibit A hereto:

WHEREAS, COKER'S PEDIGREED SEED CO. and NORTHRUP KING CO., a Delaware corporation ("NK"), have entered into an Asset Purchase Agreement, dated July 20, 1988, providing for the purchase and sale of substantially all of the assets and business of Coker's and the assumption of certain of Coker's liabilities and obligations by NK; and

WHEREAS, NK desires to acquire the right, title and interest in, to and under the Plant Variety Protection Certificates listed on Exhibit A hereto and the pending applications hereto (collectively, the "Plant Variety Protection Certificates").

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, Coker's hereby sells, assigns, transfers and sets over to NK the Plant Variety Protection Certificates. Coker's further agrees, at no cost to it, to execute and deliver to NK, upon the request of NK, any further instrument of assignment that may be necessary to effectuate the transfer of each Plant Variety Protection Certificate.

IN WITNESS WHEREOF, Coker's has caused this instrument to be executed by its duly authorized representative as of the 20th day of July, 1988.

COKER'S PEDIGREED SEED COMPANY

By:
E. Joe Dahmer
President

STATE OF MINNESOTA)
, ss:
COUNTY OF HENNEPIN)

On this band day of July, 1988, before me, a Notary Public in and for the County aforesaid, the undersigned officer, E. Joe Dahmer, personally appeared and acknowledged himself to be the President of Coker's Pedigreed Seed Co., and that he executed the foregoing instrument for the purposes therein.

WITNESS my hand and seal this 20th day of July, 1988.



Motary Public

Winter Oat Varieties

Variety Name	U.S. Plant Variety Certificate Number		Term (Yrs.)
Coker 227	7500007	Oct. 20, 1977	17
Coker 716	790003	Dec. 28, 1978	17
Coker 820	8400059	June 30, 1987	18
Coker 234	7500008	Oct. 26, 1977	17
Four Twent	y T wo 7700085	Apr. 12, 1979	17
Big Mac	8200121	Aug. 19, 1982	18
Mesquite	8200122	Aug. 19, 1982	18
	Tobacco	<u>Varieties</u>	
Coker 347	72022	Oct. 27, 1976	17
Coker 411	72023	Oct. 27, 1976	17
Coker 86	7600004	Oct. 27, 1976	17
Coker 48	7800008	Sept. 20, 1978	17
Coker 51	8100048	Feb. 18, 1982	18
Coker 176	8300056	Sept. 29, 1983	18
Coker 206	8500040	Apr. 30, 1986	18
Coker 371	Gold 8700049	Sept. 30, 1987	18
	Cotton	<u>Varieties</u>	
Coker 310	7100021	Jan. 18, 1974	17
Coker 304	7700024	Dec. 21, 1978	17
Coker 420	79 00087	Jan. 29, 1980	17
Coker 315	8000087	Dec. 18, 1980	17